





From: Separation Science <noreply@sepscience.com>
Sent: Thursday, February 28, 2013 1:24 PM
To: Hanchett, James (DPH)
Subject: Today in Separation Science - Latest Issue of Titration Solutions



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Issue 3
Determination of Alpha Acids in Hop Extracts
The hop vine is a species of plant belonging to the hemp family. The high content of alpha acids (bitter substances) in hops makes it an essential ingredient in beer brewing. Variation of the amount added has a decisive influence on the taste of the beer. Here a method is shown for the automatic determination of alpha acids in hop extracts using conductometric titration.
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Issue 2
Is Titration Still a Valid Method for Analysts?
What is the acetic acid content of the vinegar in front of you? For most of our readers it was probably the first contact they had with chemistry when they had to answer this question. There was a lot to learn from this simple experiment. In most experiments we ask for an assay and want to have a result expressed as a content in numbers. In this issue, the author looks at the importance of pharmacopeias! in providing established methods and the advantages that they provide.
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Issue 1
Introduction to Karl Fischer Titration
Water content plays a significant role in many chemical processes and affects product performance, organoleptic properties and stability. It is an important parameter for neat substances as well as for produced goods and must be controlled, especially in the chemical, pharmaceutical, petrochemical and food and beverage industries. This introduction to Karl Fischer Titration shows how this classic technique provides a reliable and truly practical method for the determination of water content.
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FEATURED APPLICATIONS
Determination of the Total Acid Number (TAN) using Thermometric Titration
Metrohm
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Free Fatty Acids Content in Edible Oil
Mettler-Toledo
[Click to read>>](#)
Determining The Water Content in Hand Cream (Hand Balm)
Sigma-Aldrich
[Click to read>>](#)

UPCOMING WEBINAR
Good Titration Practice in Water Analysis
Company: Mettler-Toledo
Thursday, 14 March 2013
The analysis of water is crucial in many areas: waste treatment, water bottling operations, environmental studies and more. This presentation outlines the basic chemistry of water and the mechanics of key analyses such as pH, BOD, COD, alkalinity and hardness etc... Learn tips and tricks for analysis, instrument and sensor maintenance and how you can maximize your laboratory processes with multiparameter analysis to obtain multiple results on one sample.
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ON-DEMAND WEBINARS
Introduction to Karl Fischer Titration
This webinar discusses the basic principles and theory behind Karl Fischer Titration; also, practical tips and recommendations to help you with determination of moisture in challenging applications.
[Click here>>](#)
Productivity Gain through Titration Automation
However your titration tasks are executed at the moment there is always room for improvement. Automation of different steps involved in a titrimetric analysis not only saves time and money but also makes the analysis operator independent and significantly enhances accuracy and precision.
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